

Education of Scientists and Engineers





Figure 15. Bachelor's degrees awarded in major science and engineering fields

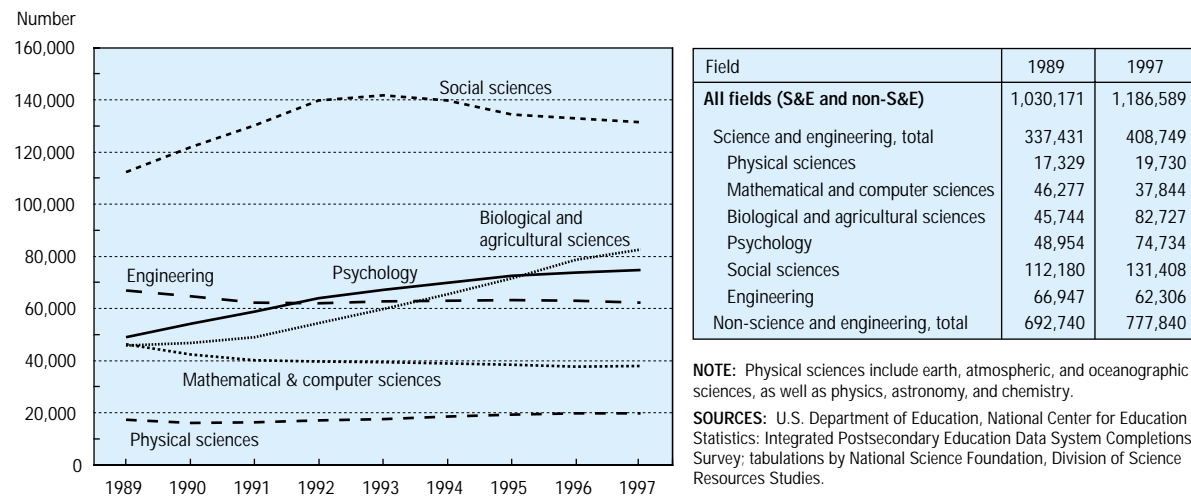
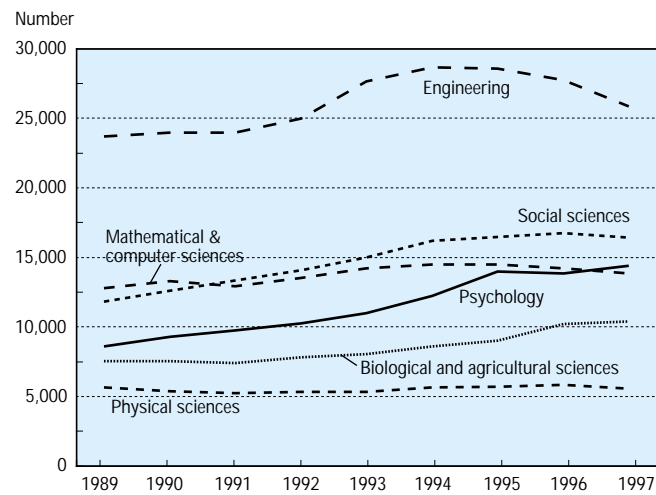


Figure 16. Master's degrees awarded in major science and engineering fields



Field	1989	1997
All fields (S&E and non-S&E)	311,050	420,954
Science and engineering, total	70,333	86,697
Physical sciences	5,708	5,579
Mathematical and computer sciences	12,829	13,897
Biological and agricultural sciences	7,557	10,443
Psychology	8,652	14,442
Social sciences	11,857	16,466
Engineering	23,735	25,870
Non-science and engineering, total	240,717	334,257

NOTE: Physical sciences include earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

SOURCES: U.S. Department of Education, National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; tabulations by National Science Foundation, Division of Science Resources Studies.

Figure 17. Doctorates awarded in major science and engineering fields

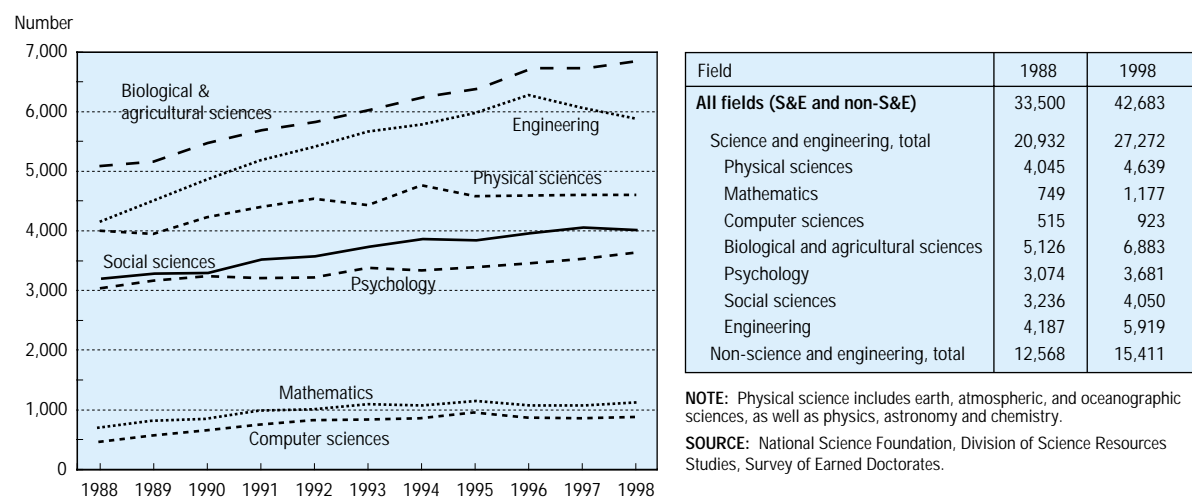
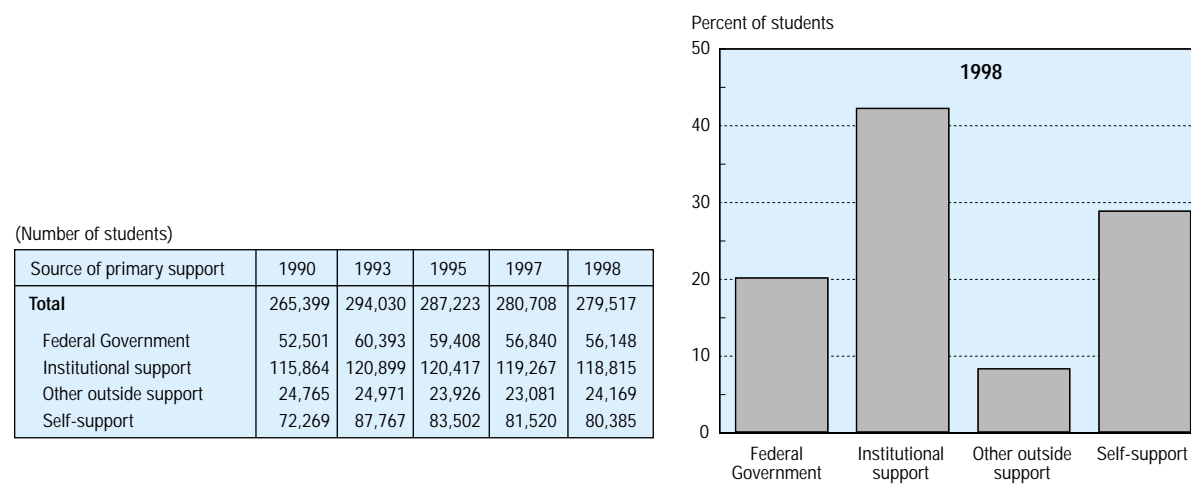
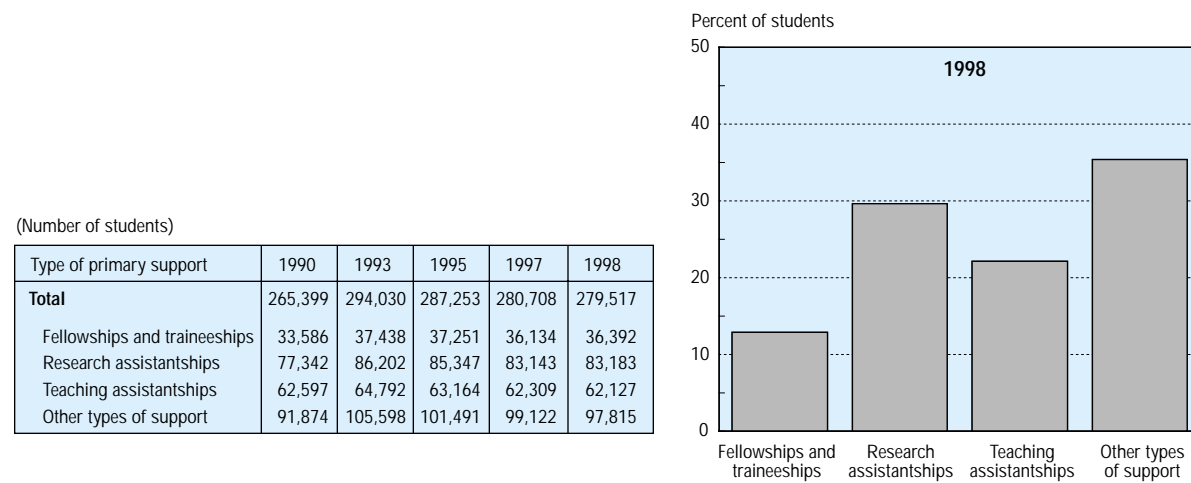


Figure 18. Full-time science/engineering graduate students in all institutions, by source of primary support



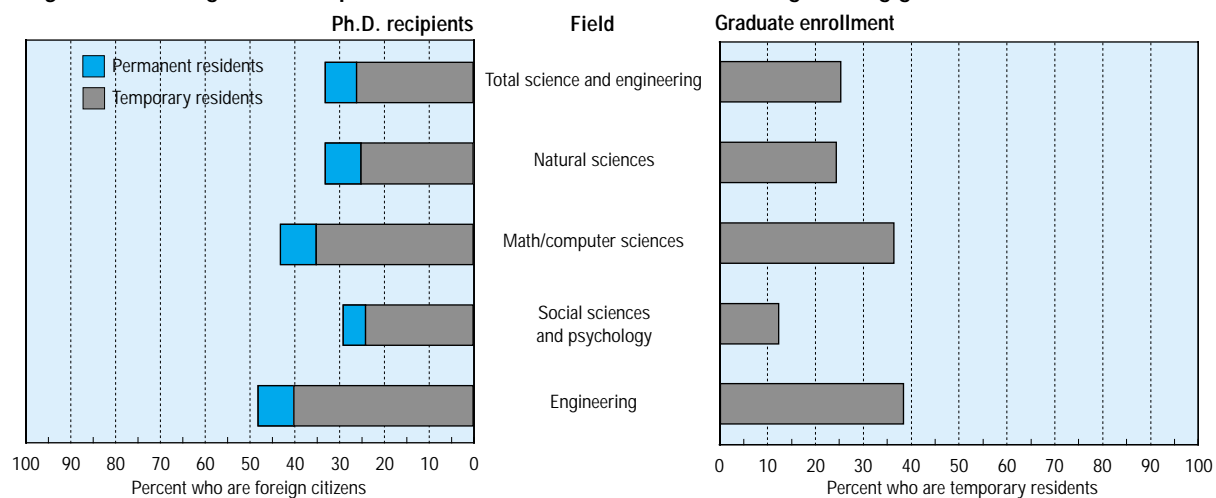
SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Graduate Students and Postdoctorates in Science and Engineering.

Figure 19. Full-time science/engineering graduate students in all institutions, by type of primary support



SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Graduate Students and Postdoctorates in Science and Engineering.

Figure 20. Foreign citizen representation in 1998 U.S. science and engineering graduate education



NOTES: Natural sciences here include physical, earth, atmospheric, oceanographic, biological, and agricultural sciences. Social sciences here include psychology, sociology, and other social sciences. Graduate student percentages are based on temporary residents only.

SOURCES: U.S. Department of Education, National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey. National Science Foundation, Division of Science Resources Studies, Survey of Graduate Students and Postdoctorates in Science and Engineering